1 2	UNITED STATES DISTRICT COURT WESTERN DISTRICT OF WASHINGTON			
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4	FEDERAL TRADE COMMISSION,	Case No. 2:14-cv-01038-JCC		
5	Plaintiff,	DECLARATION OF JULIE BETH		
6	v.	MILLER		
7	AMAZON.COM, INC.,			
8	Defendant.			
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10				
11	I, Julie Beth Miller, declare pursuant to 28 U.S.C.	§ 1746, that I have personal knowledge of the		
12	facts set forth below. If called as a witness, I coul-	d and would testify competently as follows:		
13	1. I am employed by the Federal Trac	le Commission ("FTC") as a lead data analyst		
14	in the Bureau of Consumer Protection. I have wor	ked with the FTC since April 2008. Between		
15	April 2008 and October 2015, I was an economic	research analyst with the Bureau of		
16	Economics.			
17	2. I have a Bachelor of Arts in Econo	mics from the University of San Diego and a		
18	Master of Arts in Economics from the University	of Southern California.		
19	3. Counsel for the FTC on this matter	asked me to summarize certain data produced		
20	by Amazon, Bates-numbered Amazon_00008935	, 00008949, 00209634, 00361902-00361903,		
21	00362122-00363568, 00385387-00385388, and 0	0387466-00387467. These files were in .txt,		
22	.xls, or .pdf format.			
23	4. I reviewed the data using Stata 14	MP ("Stata"). Stata is a data management and		
24	statistical software package. I have been using Stata since April 2008, and I chose it to perform			
25	my work on this matter because it can process the number and size of the files Amazon			
26	produced.			
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1		5. FT	TC counsel asked me to limit my calculations to apps listed in			
2	Amazo	n_000089	35 ("	or		
3	Amazo	on_000089	49 ("	") with a		
4	co		" other than " ." I refer to these apps in this declaration as "	High-		
5	Risk N	on-Casino	apps." Unless otherwise specified, my calculations below only use data			
6	associa	nted with H	High-Risk Non-Casino apps.			
7			Injury and Relief Calculations			
8		6. F7	TC counsel asked me to calculate Amazon's in-app charge revenue and i	efund		
9	totals f		egments, identified below in Table 1 .			
10	totals	or seven se				
10	_		Table 1: Revenue and Refund Segment Parameters	_		
11		Segment	Parameters			
12		1	\$20+ orders in High-Risk Non-Casino apps from the earliest date available in the data through March 25, 2012			
13	-	2	\$19.99 and below orders in High-Risk Non-Casino apps from the			
			earliest date available in the data through February 5, 2013			
14		3	\$19.99 and below orders in High-Risk Non-Casino apps from Februar 6, 2013 through April 30, 2013 excluding Otter device	У		
15		4	\$19.99 and below orders in High-Risk Non-Casino apps from May 1,			
16			2013 through July 30, 2013 excluding Otter device			
17		5	\$19.98 and below orders in High-Risk Non-Casino apps from July 31, 2013 through June 3, 2014 excluding Otter device			
		6	\$19.99 and below orders in High-Risk Non-Casino apps from Februar	y		
18		7	6, 2013 through October 9, 2013 on Otter device only \$.99 and below orders in High-Risk Non-Casino apps from October 10	,		
19		,	2013 to the latest date available in the data on Otter device only	',		
20		7. To	o identify charges and refunds falling within the seven segments listed in	Table		
21	1, pursuant to FTC counsel's request, I used from Amazon 00362123 and Amazon 00362127					
22	the fields " " to identify the date of the charge, " " or " "					
23	to identify the amount of the charge, and " "to identify the device type. I					
24						
25	also used from Amazon_00361903 and Amazon_00362125 the fields " " (or, if					
26			" was missing, " from Amazon_00362123 and			
	DECL	ARATION	N OF JULIE BETH MILLER Federal Trade Con	mission		

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"Counsel asked

'appearing in the

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10	Counsel also asked me to include any charges with both equal to "
11	"and equal to "." Counsel
12	asked me to identify the total number of consumers billed for these charges as well:
13	customers were billed for these charges. My results are in Table 5 below.
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Table 5: Number of Charges with Applicable Values

	Charges
TOTAL	

- 17. FTC counsel asked me to identify any charges through June 3, 2014 (and, for the Otter device, \$.99 and below charges through the end of the data) in the customer service data

 Amazon produced (Amazon_00361903 and 00362125) for which all values were missing. I identified such charges.
- 18. FTC counsel asked me to calculate the total number of charges identified in paragraph 17 to which Amazon had assigned a " of " Counsel also asked to identify the total number of consumers billed for these charges. I calculated both items: charges had a " of " of " onsumers were billed for those charges (not

including the consumers identified in paragraph 16). FTC counsel asked me to add these charges to the total identified in Table 5 above. **Table 6** below supplements Table 5 data with my results.

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Totale 6: Number of Charges with Applicable

Values or Refund Reason

Charges

Charges

Total

Total

19. FTC counsel asked me to identify the total number of consumers billed for the charges identified in Table 6 by adding the number of consumers billed for the charges identified in Table 5 to the number of other consumers billed for the charges identified in paragraph 18. I did, and the total number of consumers billed for charges associated with the values listed in Table 6 or a Refund Reason of "" is ".

Refund Rates by Refund Month

20. FTC counsel asked me to calculate the monthly revenue, refunds, and refund rate for in-app charges in High-Risk Non-Casino apps through June 2014. Counsel asked me, for purposes of comparing these rates with certain aggregate data provided by Amazon (Batesnumbered Amazon_00209634, attached hereto as **Exhibit A**), to group revenue by

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" and refunds by "

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" (that is, the month the charge

was refunded as opposed to the month the refunded charge was billed). I calculated the revenue and refunds for each month. For each month, I then divided the amount refunded by the amount of revenue to calculate the refund rate. My results are in **Table 7** below.

Table 7: Revenue by Order Date and Refunds by Refund Date

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Month	Revenue	Refunds	Refund Rate
Nov-2011			
Dec-2011			
Jan-2012			
Feb-2012			
Mar-2012			
Apr-2012			
May-2012			
Jun-2012			
Jul-2012			
Aug-2012			
Sep-2012			
Oct-2012			
Nov-2012			
Dec-2012			
Jan-2013			
Feb-2013			
Mar-2013			
Apr-2013			
May-2013			
Jun-2013			
Jul-2013			

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Aug-2013			
Sep-2013			
Oct-2013			
Nov-2013			
Dec-2013			
Jan-2014			
Feb-2014			
Mar-2014			
Apr-2014			
May-2014			
June 2014			
TOTAL			

21. FTC counsel asked me to calculate the monthly refund rate through June 2014 for in-app charges included in the aggregate data Amazon produced, Ex. A, *excluding* the High-Risk Non-Casino apps. I calculated the refund rate by dividing the "each month by the "for that month. My results follow in **Table 8** below.

Table 8: Revenue and Refunds Excluding High-Risk Non-Casino Apps

Month	Revenue	Refunds	Refund Rate
Nov-2011			
Dec-2011			
Jan-2012			
Feb-2012			
Mar-2012			
Apr-2012			
May-2012			
Jun-2012			

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Jul-2012		
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May-2013		
Jun-2013		
Jul-2013		
Aug-2013		
Sep-2013		
Oct-2013		
Nov-2013		
Dec-2013		
Jan-2014		
Feb-2014		
Mar-2014		
Apr-2014		
May-2014		
June 2014		
TOTAL		

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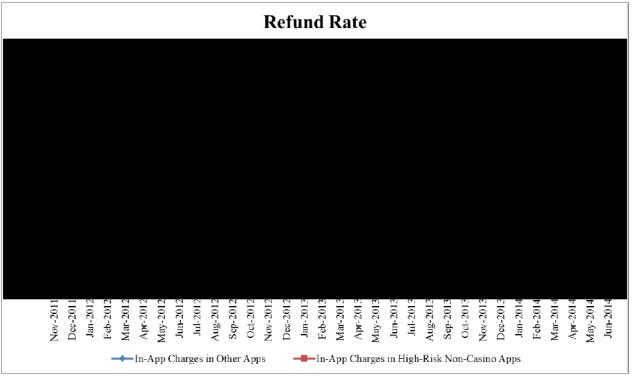
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22. Counsel asked me to plot the monthly refund rate for in-app charges from High-Risk Non-Casino apps against the monthly refund rates for Amazon's aggregate in-app charge data, Ex. A, excluding the High-Risk Non-Casino apps. The results are in Figure 1 below.

Figure 1: Refund Rate:

In-App Charges in High-Risk Non-Casino Apps vs. In-App Charges in Other Apps



Refund Rates by Order Month

23. FTC counsel also asked me to calculate the monthly revenue, refunds, and refund rate for in-app charges through June 2014 using " " (that is, grouping refunds by the month the refunded charge was billed as opposed to the month the charge was refunded). I calculated the revenue and refunds for each month. For each month, I then divided the amount refunded by the amount of revenue to calculate the refund rate. My results are in Table 9 below.

Table 9: Revenue and Refunds by ORDER DATETIME

Table	Table 9: Revenue and Refunds by ORDER DATETIME					
Month	Revenue	Refunds	Refund Rate			
Nov-2011						
Dec-2011						
Jan-2012						
Feb-2012						
Mar-2012						
Apr-2012						
May-2012						
Jun-2012						
Jul-2012						
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Oct-2013	LIE DETHAULED					

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Nov-2013		
Dec-2013		
Jan-2014		
Feb-2014		
Mar-2014		
Apr-2014		
May-2014		
June 2014		
TOTAL		

I declare under penalty of perjury that the foregoing is true and correct. Executed this 2nd day of February 2016.

Jee tel.

JULIE BETH MILLER

EXHIBIT A

